

CLAIMS

1. A foam sheet for a car interior member, comprising a modified polyphenylene ether-based resin foam sheet having an open cell ratio of 50% or more, the modified polyphenylene ether-based resin foam sheet having pore portions formed in a single face thereof so as to be open to the face thereof.
2. The foam sheet for a car interior member according to claim 1, wherein modified polyphenylene ether-based resin sheets are integrally laminated on both faces of the modified polyphenylene ether-based resin foam sheet, and the pore portions are open to the surfaces of the modified polyphenylene ether-based resin sheets.
3. The foam sheet for a car interior member according to claim 1 or 2, wherein a surface sheet made of nonwoven cloth comprising a form-keeping fiber and a thermoplastic resin fiber is integrally laminated on the face in which the pore portions are formed in the modified polyphenylene ether-based resin foam sheet.
4. The foam sheet for a car interior member according to claim 1, wherein a foamed layer of the modified polyphenylene ether-based resin foam sheet has an open cell layer made mainly of open cells, and the pore portions reach the open cell layer.
5. The foam sheet for a car interior member according to claim 1, wherein a foamed layer of the modified polyphenylene ether-based resin foam sheet is made only of an open cell layer made mainly of open cells.
6. The foam sheet for a car interior member according to claim 1, wherein in a foamed layer of the modified polyphenylene ether-based resin

foam sheet, closed cell layers made mainly of closed cells are formed on both faces of an open cell layer made mainly of open cells, and the pore portions reach the open cell layer.

7. The foam sheet for a car interior member according to claim 1, wherein the open cell ratio is from 60 to 90%.

8. The foam sheet for a car interior member according to claim 6, wherein the thickness of the closed cell layers is from 1 to 25% of the thickness of the modified polyphenylene ether-based resin foam sheet.

9. The foam sheet for a car interior member according to claim 1, wherein the ratio of the total opening area of the pore portions to the surface of the foam sheet is from 2 to 50%.

10. The foam sheet for a car interior member according to claim 1, wherein the opening end area of the pore portions is from 0.2 to 40 mm².

11. The foam sheet for a car interior member according to claim 1, wherein the modified polyphenylene ether-based resin which constitutes the modified polyphenylene ether-based resin foam sheet comprises 15 to 60% by weight of a phenylene ether component and 40 to 85% by weight of a styrene component.

12. The foam sheet for a car interior member according to claim 2, wherein the modified polyphenylene ether-based resin which constitutes the modified polyphenylene ether-based resin sheet comprises 10 to 50% by weight of a phenylene ether component and 50 to 90% by weight of a styrene component.

13. The foam sheet for a car interior member according to claim 2, wherein the modified polyphenylene ether-based resin sheet comprises a

rubber component.

14. The foam sheet for a car interior member according to claim 3, wherein the form-keeping fiber is at least one fiber selected from the group consisting of glass fiber, carbon fiber, basalt fiber and natural fiber and further the melting point T_m (°C) of the thermoplastic resin fiber and the glass transition temperature T_g (°C) of the modified polyphenylene ether-based resin which constitutes the modified polyphenylene ether-based resin foam sheet satisfy the following expression:

$$T_g - 65^{\circ}\text{C} \leq T_m \leq T_g + 40^{\circ}\text{C}.$$

15. The foam sheet for a car interior member according to claim 3, wherein the modified polyphenylene ether-based resin foam sheet and the surface sheet are integrated with each other through an adhesive layer.

16. The foam sheet for a car interior member according to claim 15, wherein the whole of the surface sheet is impregnated with an adhesive which constitutes the adhesive layer.

17. The foam sheet for a car interior member according to claim 1, wherein a skin material is integrally laminated on one face of the modified polyphenylene ether-based resin foam sheet, and further an abnormal noise preventing member is integrally laminated on the other face of the modified polyphenylene ether-based resin foam sheet.

18. A car interior member which is obtained by thermally molding the foam sheet for a car interior member according to any one of claims ~~1 to 17~~.

19. The car interior member according to ^{any one of claims} ~~claim 18~~, which is a car ceiling member.